



# ***STIC Search Report***

## ***EIC 2100***

**STIC Database Tracking Number: 194330**

**TO: Cam-Linh T Nguyen**

**Location: RND 3C21**

**Art Unit: 2161**

**Thursday, June 29, 2006**

**Case Serial Number: 09/741680**

**From: Lucy Park**

**Location: EIC 2100**

**RND-4B11**

**Phone: 571-272-8667**

**lucy.park@uspto.gov**

### **Search Notes**

Dear Examiner Nguyen,

Here are the search results for your Fast & Focused search request on case number 09/741680. I flagged the results that looked most relevant, but please review all of the results. Please let me know if you have any questions about these or if you need any further information.

Lucy



# STIC EIC 2100 194330 Search Request Form

Today's Date: 6/29/06

What date would you like to use to limit the search?

Priority Date: 12/15/00 Other: \_\_\_\_\_

Name Nguyen, Cam Linh

AU 2161 Examiner # 78921

Room # RND-3C21 Phone 4024

Serial # 09/741, 680

Format for Search Results (Circle One):

PAPER DISK EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDB

IEEE INSPEC SPI Other \_\_\_\_\_

Is this a "Fast & Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-tc2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

- Administrative (function, task) - Account management
- Sensitive (data, user, info)
- Normal DB administrator
- Security officer

STIC Searcher Lucy Park Phone 286667

Date picked up 6/29/2006 Date Completed 6/29/2006



File 2:INSPEC 1898-2006/Jun W3  
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File 6:NTIS 1964-2006/Jun W3  
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File 8:EI Compendex(R) 1970-2006/Jun W3  
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File 23:CSA Technology Research Database 1963-2006/Jun  
(c) 2006 CSA.  
File 34:SciSearch(R) Cited Ref Sci 1990-2006/Jun W4  
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File 35:Dissertation Abs Online 1861-2006/Jun  
(c) 2006 ProQuest Info&Learning  
File 65:Inside Conferences 1993-2006/Jun 29  
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File 94:JICST-EPlus 1985-2006/Mar W4  
(c)2006 Japan Science and Tech Corp(JST)  
File 95:TEME-Technology & Management 1989-2006/Jun W4  
(c) 2006 FIZ TECHNIK  
File 99:Wilson Appl. Sci & Tech Abs 1983-2006/May  
(c) 2006 The HW Wilson Co.  
File 111:TGG Natl.Newspaper Index(SM) 1979-2006/Jun 20  
(c) 2006 The Gale Group  
File 144:Pascal 1973-2006/Jun W1  
(c) 2006 INIST/CNRS  
File 239:Mathsci 1940-2006/Aug  
(c) 2006 American Mathematical Society  
File 256:TecInfoSource 82-2006/Aug  
(c) 2006 Info.Sources Inc  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info

Set	Items	Description
S1	3872217	USER? ? OR ACCOUNT? ? OR USERNAME? ? OR PROFILE? ?
S2	12434953	DATA OR INFORMATION OR OBJECT? ?
S3	196895	S1:S2(3N)(SENSITIV??? OR CLASSIFIED OR RESTRICT??? OR SECR- ET OR SECRECY OR PRIVILEG??? OR PRIVATE OR PRIVACY OR SECUR??- ?)
S4	525072	ADMINISTRATOR? ? OR OFFICER? ? OR ADMIN? ? OR SYSADMIN? ? - OR AUTHORITY OR AUTHORITIES OR MANAGER? ?
S5	18632	S4(3N)(SPECIAL OR SECUR??? OR TOP OR TOPMOST OR HIGH??? OR SENSITIV??? OR CLASSIFIED OR RESTRICT??? OR SECRET OR SECRECY OR PRIVILEG??? OR PRIVATE)
S6	8132	S4(3N)(SINGLE OR SINGLY OR ONLY OR SOLE OR ONE OR SINGULAR- ?? OR ALONE OR LONE OR EXCLUSIVE?? OR SOLITARY OR DEDICATED)
S7	1243	S4(3N)(NORMAL OR REGULAR OR BASIC OR USUAL OR UNCLASSIFIED OR (NON OR .NOT.)() (SENSITIVE OR CLASSIFIED OR RESTRICT??? OR SECRET OR PRIVILEG??? OR PRIVATE OR SECUR???)
S8	312958	S1:S2(3N)(EDIT??? OR MODIFY??? OR MODIFIE? ? OR MODIFICATI- ON? ? OR CREAT??? OR SETUP? ? OR (SET OR SETS OR SETTING)()UP OR ESTABLISH??? OR DELET??? OR ACCESS???)
S9	53	S3 AND S5 AND S6
S10	49	RD (unique items)
S11	33	S10 NOT PY=2001:2006
S12	1	S11 AND S7
S13	3	S11 AND S8
S14	1179845	DATABASE? ? OR DATABANK? ? OR DATASTORE? ? OR DB OR DBMS OR RDBMS OR RDB OR DATA() (BASE? ? OR BANK? ? OR STORE? ?)
S15	6	S11 AND S14
S16	4	S15 NOT (S12 OR S13)
S17	15	S3 AND S5:S6 AND S7
S18	12	RD (unique items)

S19 10 S18 NOT PY=2001:2006  
S20 9 S19 NOT (S12 OR S13 OR S16)  
S21 387 SECURITY()OFFICER  
S22 5 S21(3N)(SINGLE OR SINGLY OR ONLY OR SOLE OR ONE OR SINGULA-  
R?? OR ALONE OR LONE OR EXCLUSIVE?? OR SOLITARY OR DEDICATED)  
S23 29 S3 AND S6 AND S8  
S24 21 RD (unique items)  
S25 17 S24 NOT (S12 OR S13 OR S16 OR S20 OR S22)  
S26 12 S25 NOT PY=2001:2006

13/5/1 (Item 1 from file: 6)

DIALOG(R) File 6:NTIS

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1568356 NTIS Accession Number: AD-A230 437/6

**Example Secure System Specified Using the Terry-Wiseman Approach**

Harrold, C. L.

Royal Signals and Radar Establishment, Malvern (England).

Corp. Source Codes: 053783000; 409929

Sponsor: Defence Research Information Centre, Orpington (England).

Report No.: RSRE-90011; DRIC-BR-115326

Jul 90 65p

Languages: English

Journal Announcement: GRAI9112

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NTIS Prices: PC A04/MF A01

Country of Publication: United Kingdom

This report presents the specification of operations for a secure document handling system (SERCUS). The specification uses the Terry-Wiseman Security Policy Model and therefore acts as an example of the modelling approach. The specification uses the mathematical notation  $Z$ , and consequently also acts as an example of the use of  $Z$  in specifying secure systems. However, it must be noted that an appreciation of SERCUS, the model and modelling approach can usefully be gained even if the formal specifications are not read. The Terry-Wiseman Model and its interpretation are given as an Annex to this report. SERCUS is essentially an electronic registry system which controls the creation of, and access to, classified documents and mail messages. In the usual way, the users are assigned clearances which limit their ability to observe and **modify** the **information** in the system. In addition to their clearance, the users have a designated role to play. The possible roles are **security officer** and ordinary **user**, although there were also registry clerks in the original, longer, specification. Certain operations may only be performed by users with the appropriate role. For example, **only security officers** may **create** new legal **users** or review journalled information and, in the original specification, only registry clerks could create files or add documents to files. Although the model does allow systems to be specified where individuals can have more than one role, this is not required in the SERCUS application, and each user is assigned a single fixed role.

Descriptors: \*Documents; Classified materials; Electronic equipment; Files(Records); Handling; Law enforcement; Mathematics; Model theory; Officer personnel; Specifications

Identifiers: \*Foreign technology; \* **Data processing security** ; NTISDODXA

Section Headings: 62GE (Computers, Control, and Information Theory--General)

16/5/2 (Item 2 from file: 2)

DIALOG(R) File 2:INSPEC

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02348946 INSPEC Abstract Number: C79016191

**Title: Mechanism for decentralization of security administration**

Author(s): Fernandez, E.B.

Author Affiliation: IBM Corp., Armonk, NY, USA

Journal: IBM Technical Disclosure Bulletin vol.21, no.6 p.2529-31

Publication Date: Nov. 1978 Country of Publication: USA

CODEN: IBMTAA ISSN: 0018-8689

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Describes a system of **database security administrators** which delegate and recall security functions and enforce global security policies at each delegated **database** partition. There exists the need in large shared **databases** to delegate security administration functions, i.e., to have administrators in charge of portions of the total **database**. A centralized **security administrator only** could result in severe bottlenecks. This mechanism allows **security administrators** to delegate part or all of their security functions, while maintaining some supervisory control over the delegated portions of the **database**. (0 Refs)

Subfile: C

Descriptors: **database** management systems; **security** of **data**

Identifiers: decentralization of security administration; **database security administrators**; global security policies; shared **databases**; supervisory control; delegated portions

Class Codes: C0310 (EDP management); C6160 (Database management systems (DBMS))

20/5/7 (Item 1 from file: 8)  
DIALOG(R) File 8: Ei Compendex(R)  
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04745280 E.I. No: EIP97073722064

**Title: EBMUD's Pipe Dream - a project tracking system**

Author: Levine, Andrew J.; Butler, Carrie L.; Stanton, Raymond E.; Irias, Xavier J.; Miller, Marilyn L.

Corporate Source: East Bay Municipal Utility District, Oakland, CA, USA

Conference Title: Proceedings of the 1997 4th Congress on Computing in Civil Engineering

Conference Location: Philadelphia, PA, USA Conference Date: 19970616-19970618

Sponsor: ASCE

E.I. Conference No.: 46574

Source: Computing in Civil Engineering (New York) 1997. ASCE, New York, NY, USA. p 449-456

Publication Year: 1997

CODEN: CCENEX

Language: English

Document Type: CA; (Conference Article) Treatment: G; (General Review); M; (Management Aspects)

Journal Announcement: 9708W4

Abstract: Pipe Dream is a computerized system developed by East Bay Municipal Utility District (EBMUD) to schedule and track pipeline projects from planning through construction. At any one time, EBMUD has over 500 active pipeline projects in some stage of planning, design, or construction. By centralizing all project information in one database, Pipe Dream replaces many individual, manual record-keeping systems used in over a dozen work units. Pipe Dream has a user-friendly, Windows standard interface for entering and viewing data. Sophisticated sorting and filtering features allow queries of incoming projects, late projects, or projects assigned to a particular engineer. Customized reports show current project status, statistics on average duration, resource loading, and backlog. The Pipe Dream tracking system was developed in Microsoft Visual Basic and accesses data contained in Microsoft Access and Oracle databases.

**Security** controls maintain **data** integrity by allowing **only** the project **manager** to change **basic** project information. Schedule changes for a particular work unit can only be made by a member of that unit. Since Pipe Dream allows all parties to enter and track their projects and constraints in real time, it enables pro-active management of multiple projects. By displaying anticipated tasks as well as current status and historical durations, estimated completion dates can be accessed at any time. (Author abstract)

Descriptors: \*Pipelines; Project management; Scheduling; User interfaces; BASIC (programming language); Query languages; Management information systems; Real time systems

Identifiers: Project tracking systems; Software package WINDOWS; Software package pipe dream; Visual basic (programming language)

Classification Codes:

723.1.1 (Computer Programming Languages)

619.1 (Pipe, Piping & Pipelines); 912.2 (Management); 722.2 (Computer Peripheral Equipment); 723.1 (Computer Programming); 723.3 (Database Systems); 723.2 (Data Processing)

619 (Pipes, Tanks & Accessories); 912 (Industrial Engineering & Management); 722 (Computer Hardware); 723 (Computer Software)

61 (PLANT & POWER ENGINEERING); 91 (ENGINEERING MANAGEMENT); 72 (COMPUTERS & DATA PROCESSING)

22/5/1 (Item 1 from file: 6)

DIALOG(R) File 6:NTIS

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1320954 NTIS Accession Number: AD-A183 361/5

**Demonstration of a Trusted Computer Interface between a Multilevel Secure Command and Control System and Untrusted Tactical Data Systems**

(Master's thesis)

Rector, G. E.

Naval Postgraduate School, Monterey, CA.

Corp. Source Codes: 019895000; 251450

Mar 87 161p

Languages: English Document Type: Thesis

Journal Announcement: GRAI8722

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NTIS Prices: PC A08/MF A01

Country of Publication: United States

The task of this research is to demonstrate a multilevel secure interface between a system operating at multiple security levels and other untrusted systems operating at a single security level. Without a trusted interface device, these systems cannot be electronically connected. All communications between the systems must be done manually with all information transfer being reviewed by a **security officer**. Only releasable information is printed or stored in a removable medium and hand carried to the other system. In contrast, a trusted, multilevel secure guard can connect untrusted systems eletronically and control the release of sensitive information. This task will demonstrate the ability of a multilevel trusted system to interface with untrusted systems operating at different levels of security. Keywords: GEMSOS (Gemini Secure Operating System).

Descriptors: \*Communication and radio systems; \*Tactical data systems; \*Information transfer; \*Command and control systems; \*Security; Computers; Interfaces; Control; Officer personnel; Secure communications; Sensitivity

Identifiers: \*Operating systems(Computers); Computer security; NTISDODXA

Section Headings: 74G (Military Sciences--Military Operations, Strategy, and Tactics); 45C (Communication--Common Carrier and Satellite)



File 348:EUROPEAN PATENTS 1978-2006/ 200626  
(c) 2006 European Patent Office  
File 349:PCT FULLTEXT 1979-2006/UB=20060622,UT=20060615  
(c) 2006 WIPO/Univentio

Set	Items	Description
S1	723677	USER? ? OR ACCOUNT? ? OR USERNAME? ? OR PROFILE? ?
S2	1394692	DATA OR INFORMATION OR OBJECT? ?
S3	73135	S1:S2(3N)(SENSITIV??? OR CLASSIFIED OR RESTRICT??? OR SECR- ET OR SECRECY OR PRIVILEG??? OR PRIVATE OR PRIVACY OR SECUR??- ?)
S4	112302	ADMINISTRATOR? ? OR OFFICER? ? OR ADMIN? ? OR SYSADMIN? ? - OR AUTHORITY OR AUTHORITIES OR MANAGER? ?
S5	6175	S4(3N)(SPECIAL OR SECUR??? OR TOP OR TOPMOST OR HIGH??? OR SENSITIV??? OR CLASSIFIED OR RESTRICT??? OR SECRET OR SECRECY OR PRIVILEG??? OR PRIVATE)
S6	10306	S4(3N)(SINGLE OR SINGLY OR ONLY OR SOLE OR ONE OR SINGULAR- ?? OR ALONE OR LONE OR EXCLUSIVE?? OR SOLITARY OR DEDICATED)
S7	758	S4(3N)(NORMAL OR REGULAR OR BASIC OR USUAL OR UNCLASSIFIED OR (NON OR .NOT.) ()(SENSITIVE OR CLASSIFIED OR RESTRICT??? OR SECRET OR PRIVILEG??? OR PRIVATE OR SECUR???))
S8	196906	S1:S2(3N)(EDIT??? OR MODIFY??? OR MODIFIE? ? OR MODIFICATI- ON? ? OR CREAT??? OR SETUP? ? OR (SET OR SETS OR SETTING) ()UP OR ESTABLISH??? OR DELET??? OR ACCESS???)
S9	143	S3(20N)S5(20N)S6
S10	7	S9(20N)S7
S11	710	S3(20N)S5:S6(20N)S8
S12	19	S11(100N)S7
S13	13	S12 NOT S10
S14	12	S13 NOT AD=20001215:20031215/PR
S15	11	S14 NOT AD=20031215:20060321/PR
S16	127	S3(5N)S6
S17	79	S16(100N)S8
S18	67	S17 NOT (S10 OR S13)
S19	51	S18 NOT AD=20001215:20031215/PR
S20	43	S19 NOT AD=20031215:20060321/PR
S21	38	S20 AND IC=G06F
S22	216	SECURITY()OFFICER
S23	3	S21 AND S22
S24	22	S22(3N)(SINGLE OR SINGLY OR ONLY OR SOLE OR ONE OR SINGULA- R?? OR ALONE OR LONE OR EXCLUSIVE?? OR SOLITARY OR DEDICATED)
S25	13	S24 NOT AD=20001215:20031215/PR
S26	13	S25 NOT AD=20031215:20060321/PR
S27	10	S26 NOT S23

10/3,K/5 (Item 5 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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00468476

**Security system for electronic printing systems**  
**Sicherheitssystem fur elektronische Drucksysteme**  
**Systeme de securite pour systemes d'impressions electroniques**

**PATENT ASSIGNEE:**

XEROX CORPORATION, (219781), Xerox Square - 020, Rochester New York 14644  
, (US), (applicant designated states: DE;FR;GB)

**INVENTOR:**

Rourke, John L., 94 Waterford Way, Fairport, N.Y. 14450, (US)  
Wing, Peter D., 94 Hefner Drive, Webster, N.Y. 14580, (US)  
Ratcliffe, Jack F., II, 19 Sunset Boulevard, Pittsford, N.Y. 14534, (US)  
Valliere, Paul J., 15 Grimsby Gate, Fairport, N.Y. 14450, (US)

**LEGAL REPRESENTATIVE:**

Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721)  
, Maximilianstrasse 58, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 477570 A2 920401 (Basic)  
EP 477570 A3 921007  
EP 477570 B1 990512

APPLICATION (CC, No, Date): EP 91114459 910828;

PRIORITY (CC, No, Date): US 591330 900928

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS (V7): G06F-001/00;

ABSTRACT WORD COUNT: 49

LANGUAGE (Publication,Procedural,Application): English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9919	489
CLAIMS B	(German)	9919	477
CLAIMS B	(French)	9919	583
SPEC B	(English)	9919	5661
Total word count - document A			0
Total word count - document B			7210
Total word count - documents A + B			7210

...SPECIFICATION user would have full access to any function available on the system

(2) a partially **secure** site would allow User IDs to be assigned to some users at the Security Administrator...

...a fully secured site where all users are assigned a User ID by the Security **administrator** .

(4) fully **secured** site with passwords would allow some or all users, at the discretion of the **Security administrator** , to employ their own password to control access to the user's own files that are in the system.

A Site administrator is normally provided (although **one administrator** may serve in both Site and **Security Administrator** capacities). The Site **administrator** is considered a **privileged** user and as such has certain privileges over and above those of either a secure or **non - secure user** . The Site **administrator** typically establishes the programming features and functions that the site will have, the system default...

15/3,K/5 (Item 5 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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00958366

Method and apparatus for storing and controlling access to information  
Verfahren und Vorrichtung zur Speicherung von Daten und Steuerung des  
Zugriffs dazu

Methode et dispositif pour le stockage des donnees et l'accès a celles-ci  
PATENT ASSIGNEE:

PITNEY BOWES INC., (244957), World Headquarters, One Elmcroft Road,  
Stamford, Connecticut 06926-0700, (US), (Proprietor designated states:  
all)

INVENTOR:

Basso, Michael R., 10 Boulder Road, Norwalk, Connecticut 06854, (US)  
Lee, Joonho, 127 Promenade Drive, Hamden, Connecticut 06514, (US)  
Li, Chunhua, 134 Sugar Hill Road, North Haven, Connecticut 06473, (US)

LEGAL REPRESENTATIVE:

Avery, Stephen John et al (47695), Hoffmann Eitle, Patent- und  
Rechtsanwalte, Arabellastrasse 4, 81925 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 869460 A2 981007 (Basic)  
EP 869460 A3 991103  
EP 869460 B1 030618

APPLICATION (CC, No, Date): EP 98103816 980304;

PRIORITY (CC, No, Date): US 810746 970304

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): G07F-007/10

ABSTRACT WORD COUNT: 192

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199841	1320
CLAIMS B	(English)	200325	1206
CLAIMS B	(German)	200325	1140
CLAIMS B	(French)	200325	1347
SPEC A	(English)	199841	6718
SPEC B	(English)	200325	7022
Total word count - document A			8039
Total word count - document B			10715
Total word count - documents A + B			18754

...SPECIFICATION disadvantage that a system failure which prevents  
communication with the Trusted Authority would prevent any **access** to  
the encrypted information. Accordingly, in other embodiments of the  
subject invention the smartcard of...

...P or of provider H may store the key used to encrypt certain sensitive,  
critical, **information** , and maybe programmed to decrypt and output this  
information for certain providers who are certified by the Certifying  
Authority as having emergency authorization to **access** such **information**  
even in the event of a system failure. For example, the head of an  
emergency medical service might have **authority** to **access** such  
**sensitive** , critical **data** in the event of a system failure while other  
medical personal could only **access** such **data** with an **access** code  
issued by a Trusted Authority, but without needing immediate access to  
the Trusted **Authority** . Of course, non- **sensitive information** , such

as blood type, can simply be printed on the face of the card.  
Turning...

...SPECIFICATION for certain providers who are certified by the Certifying Authority as having emergency authorization to **access** such **information** even in the event of a system failure. For example, the head of an emergency medical service might have **authority** to **access** such **sensitive**, critical **data** in the event of a system failure while other medical personnel could only **access** such **data** with an **access** code issued by a Trusted Authority, but without needing immediate access to the Trusted **Authority**. Of course, non- **sensitive information**, such as blood type, can simply be printed on the face of the card.  
Turning...

23/3,K/3 (Item 3 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00450528 \*\*Image available\*\*

**METHODS AND APPARATUS FOR CONTROLLING ACCESS TO INFORMATION**  
**PROCEDES ET APPAREIL DE CONTROLE D'ACCES A DES INFORMATIONS**

Patent Applicant/Assignee:

INTERNET DYNAMICS INC,

Inventor(s):

JENSEN Daniel,  
LIPSTONE Laurence R,  
RIBET Michael B,  
SCHNEIDER David S,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9840992 A2 19980917

Application: WO 98US4522 19980309 (PCT/WO US9804522)

Priority Application: US 9739542 19970310; US 9740262 19970310; US  
9834587 19980304; US 9834503 19980304; US 9834507 19980304; US 9834576  
19980304

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM  
GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX  
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM  
KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR  
GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 38574

...International Patent Class (v7): G06F-001/00

Fulltext Availability:

Detailed Description

Detailed Description

... up, a built-in administrative policy gives a built-in administrative user group called the **security officer** the right to make administrative policy for all objects in the system. Members of the **security officer** user group delegate rights to make administrative policy to other administrative user groups as required...that the right to administer an information set is separate from the right to make **access** policy for the **information** set. The fact that a user group has the right to make **access** policy concerning an **information** set does not give the user group the right to make administrative policy for the information set, and vice-versa. When an access filter 203 is first set up, a **single** built-in **security officer user** group has administrative authority over all of the objects in VPN 201 and over policy...

...with administrative policy

Inheritance works with administrative policy the same way that it does with **access** policy.

The **user** groups, information sets, and available resources to which administrative policies are directed are hierarchically organized...  
Engineers

2511, Engineering Data 2513, and over access to Engineering Data to Engineering Administrators 2509.

**Security Officer** 2503 of course still has administrative authority over Engineering Administrators and can use that authority...a member of the group is an administrator, i.e., can make administrative policy, a **security officer**, i.e., can make policy maker policy, or a simple user of information. User group...

27/3,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00636174

**COMPLEX DOCUMENT SECURITY**  
**SICHERHEIT EINES KOMPLEXEN DOKUMENTS**  
**SECURITE DE DOCUMENTS COMPLEXES**

**PATENT ASSIGNEE:**

THE COMMONWEALTH OF AUSTRALIA, (265068), Anzac Park Offices, Constitution Avenue, Canberra, ACT 2601, (AU), (Proprietor designated states: all)

**INVENTOR:**

ANDERSON, Mark Stephen, Info. Tech. Div., Defence Science and Technology Organisation, Commercial Road Salisbury, S.A. 5108, (AU)  
YESBERG, John Desborough, Info.Tech. Div., DefenceScience and Technology Organisation, Commercial Roa, Salisbury, S.A. 5108, (AU)  
POPE, Michael, Info. Tech. Div., Defence Science and Technology Organisation, CommercialRoad, Salisbulry, S.A. 5108, (AU)  
NAYDA, Lisa, Info. Tech. Div., Defence Science andTechnology Organisation , Commercial Road, Salisbury, S.A. 5108, (AU)  
HAYMAN, Ken, Info. Tech. Div., Defence Science andTechnology Organisation , Commercial Road, Salisbury, S.A. 5108, (AU)  
BEAHAN, Brendan, Info.Tech.Division, Defence Science and Technology Organisation, Commercial Road, Salisbury, S.A. 5108, (AU)

**LEGAL REPRESENTATIVE:**

Hill, Richard et al (75001), Wilson, Gunn, M'Caw, Cross Street 41-51 Royal Exchange, Manchester M2 7BD, (GB)

PATENT (CC, No, Kind, Date): EP 746926 A1 961211 (Basic)  
EP 746926 A1 990113  
EP 746926 B1 031029  
WO 94014259 940623

APPLICATION (CC, No, Date): EP 94902537 931214; WO 93AU645 931214

PRIORITY (CC, No, Date): AU 92PL6312 921214

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS (V7): H04L-009/00; G06F-007/00

**NOTE:**

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200344	1554
CLAIMS B	(German)	200344	1525
CLAIMS B	(French)	200344	1672
SPEC B	(English)	200344	5748

Total word count - document A 0

Total word count - document B 10499

Total word count - documents A + B 10499

...SPECIFICATION set of filter processes which are performed 22 on the IF, this preset being controlled **only** by the **security officer** and/or the system administrator.

In practical terms, therefore, the filtering process aims to decrease

...

27/3,K/6 (Item 4 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00796265 \*\*Image available\*\*

**CRYPTOGRAPHIC MODULE FOR SECURE PROCESSING OF VALUE-BEARING ITEMS**  
**MODULE CRYPTOGRAPHIQUE DE TRAITEMENT SECURISE D'ARTICLES A VALEUR AFFICHEE**

Patent Applicant/Assignee:

STAMPS COM, Suite 1040, 3420 Ocean Park Boulevard, Santa Monica, CA 90405  
, US, US (Residence), US (Nationality), (For all designated states  
except: US)

Patent Applicant/Inventor:

OGG Craig L, 4405 Cerritos Avenue, Long Beach, CA 90807, US, US  
(Residence), US (Nationality), (Designated only for: US)  
CHOW William W, 3409 Stoner Avenue, Los Angeles, CA 90066, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

TABANDEH Raymond R (agent), Christie, Parker & Hale, LLP, P.O. Box 7068,  
Pasadena, CA 91109-7068, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200129776 A1 20010426 (WO 0129776)  
Application: WO 2000US28600 20001016 (PCT/WO US0028600)  
Priority Application: US 99160112 19991018; US 99160041 19991018; US  
99160491 19991020; US 99160503 19991020; US 99160563 19991020; US  
2000193057 20000329; US 2000193055 20000329; US 2000193056 20000329

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM EE ES  
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 24912

Fulltext Availability:

Detailed Description

Detailed Description

... control database creates the minimal set of users required by the  
module. This set includes **one** Administrator, **one** Security Officer  
and at least two Key Custodians. This command is the first command in  
Initializing state...



File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)  
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File 350:Derwent WPIX 1963-2006/UD,UM &UP=200640  
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Set	Items	Description
S1	893115	USER? ? OR ACCOUNT? ? OR USERNAME? ? OR PROFILE? ?
S2	3524616	DATA OR INFORMATION OR OBJECT? ?
S3	56927	S1:S2(3N)(SENSITIV??? OR CLASSIFIED OR RESTRICT??? OR SECR- ET OR SECRECY OR PRIVILEG??? OR PRIVATE OR PRIVACY OR SECUR??- ?)
S4	53725	ADMINISTRATOR? ? OR OFFICER? ? OR ADMIN? ? OR SYSADMIN? ? - OR AUTHORITY OR AUTHORITIES OR MANAGER? ?
S5	1316	S4(3N)(SPECIAL OR SECUR??? OR TOP OR TOPMOST OR HIGH??? OR SENSITIV??? OR CLASSIFIED OR RESTRICT??? OR SECRET OR SECRECY OR PRIVILEG??? OR PRIVATE)
S6	1329	S4(3N)(SINGLE OR SINGLY OR ONLY OR SOLE OR ONE OR SINGULAR- ?? OR ALONE OR LONE OR EXCLUSIVE?? OR SOLITARY OR DEDICATED)
S7	197	S4(3N)(NORMAL OR REGULAR OR BASIC OR USUAL OR UNCLASSIFIED OR (NON OR .NOT.)() (SENSITIVE OR CLASSIFIED OR RESTRICT??? OR SECRET OR PRIVILEG??? OR PRIVATE OR SECUR???)
S8	167018	S1:S2(3N)(EDIT??? OR MODIFY??? OR MODIFIE? ? OR MODIFICATI- ON? ? OR CREAT??? OR SETUP? ? OR (SET OR SETS OR SETTING)()UP OR ESTABLISH??? OR DELET??? OR ACCESS???)
S9	0	S3 AND S5 AND S6 AND S7 AND S8
S10	10	S3 AND S5 AND S6
S11	7	S10 NOT AD=20001215:20031215/PR
S12	6	S11 NOT AD=20031215:20060321/PR
S13	38	S3 AND S6
S14	28	S13 NOT S10
S15	17	S14 NOT AD=20001215:20031215/PR
S16	15	S15 NOT AD=20031215:20060321/PR
S17	3	S3 AND S5:S6 AND S7
S18	7145	S3 AND S8
S19	102	S18 AND S5:S7
S20	89	S19 NOT (S10 OR S14 OR S17)
S21	53	S20 NOT AD=20001215:20031215/PR
S22	38	S21 AND IC=G06F
S23	25	SECURITY()OFFICER
S24	0	S22 AND S23
S25	38	IDPAT S22 (sorted in duplicate/non-duplicate order)
S26	24	S23 NOT (S10 OR S14 OR S17 OR S20)
S27	16	S26 NOT AD=20001215:20031215/PR
S28	14	S27 NOT AD=20031215:20060321/PR

*bibliographic  
patents*

17/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014796657 \*\*Image available\*\*  
WPI Acc No: 2002-617363/200266  
XRPX Acc No: N02-488562

**Database system management method in distributed computing system,  
involves executing administrative function if object is not sensitive  
and function execution command is received from normal database  
administrator**

Patent Assignee: SAMAR V (SAMA-I)  
Inventor: SAMAR V

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020078049	A1	20020620	US 2000741680	A	20001215	200266 B

Priority Applications (No Type Date): US 2000741680 A 20001215

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020078049	A1		9 G06F-017/30	

Abstract (Basic): US 20020078049 A1

NOVELTY - A command is received to perform an administrative function involving an object defined within the database system. The administrative function is performed, if the **object** is not **sensitive** and if the command is received from a **normal database administrator** (134) for the system. The function is restricted from execution if the **object** is **sensitive** and command is received from **security officer** (136).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Computer readable storage medium storing database system management program; and
- (2) Database system management apparatus.

USE - For managing database system storing **sensitive**, confidential **data** such as salary information, in distributed computing system.

ADVANTAGE - Provides the capability to store the **sensitive data** in encrypted form, while minimizing the number of database administrators needed to access the encrypted **data**, thereby reducing the **security** problem arising from allowing a large number of system administrators to have access to the encrypted data.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic view of the distributed computing system.

Database administrator (134)

**Security officer** (136)

pp; 9 DwgNo 1/4

Title Terms: DATABASE; SYSTEM; MANAGEMENT; METHOD; DISTRIBUTE; COMPUTATION; SYSTEM; EXECUTE; ADMINISTER; FUNCTION; OBJECT; SENSITIVE; FUNCTION; EXECUTE; COMMAND; RECEIVE; NORMAL; DATABASE; ADMINISTER

Derwent Class: T01

International Patent Class (Main): G06F-017/30

International Patent Class (Additional): G06F-012/14; HC

File Segment: EPI

*your  
app*

17/5/3 (Item 3 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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013493341 \*\*Image available\*\*

WPI Acc No: 2000-665284/200064

XRPX Acc No: N00-493048

**Cryptographic key distribution method for data communication, involves allocating private and public keys selected similar to selection of identity and sub- secret for subordinate administrators to final operators**

Patent Assignee: TOTALFOERSVARETS FORSKNINGSINSTITUT (TOTA-N); FOERSVARETS FORSKNINGSANSTALT (FOER-N)

Inventor: BENGTSSON A

Number of Countries: 020 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200064098	A1	20001026	WO 2000SE721	A	20000414	200064 B
SE 9901358	A	20001017	SE 991358	A	19990416	200064
SE 515778	C2	20011008	SE 991358	A	19990416	200161

Priority Applications (No Type Date): SE 991358 A 19990416

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200064098	A1	E	21	H04L-009/32	
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Designated States (National): JP US

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU  
MC NL PT SE

SE 9901358	A	H04L-009/32
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SE 515778	C2	H04L-009/32
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Abstract (Basic): WO 200064098 A1

NOVELTY - **Basic secret** and subordinate **administrators** (A1-A3) are selected by a main administrator (A). Identity in the form of unique prime number is provided to all administrators and associated final operators. Sub-secret is allocated to subordinate **administrators**. **Private** and public keys selected similar to selection of identity and sub- **secret** for subordinate **administrators**, are allocated to final operators.

USE - For data communication in communication network.

ADVANTAGE - Implements automatic handling of chains of certificates in nodes of the type radiosets. Enables to form a common secret, replace change of certificates with identities in certification authority hierarchy and cause implicit certification of public keys.

DESCRIPTION OF DRAWING(S) - The figure shows the hierarchical structure of main and subordinate administrators.

Main administrator (A)

Subordinate administrators (A1-A3)

pp; 21 DwgNo 1/1

Title Terms: CRYPTOGRAPHIC; KEY; DISTRIBUTE; METHOD; DATA; COMMUNICATE;  
ALLOCATE; PRIVATE; PUBLIC; KEY; SELECT; SIMILAR; SELECT; IDENTIFY; SUB;  
SECRET; SUBORDINATE; FINAL; OPERATE

Derwent Class: W01

International Patent Class (Main): H04L-009/32

File Segment: EPI



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sales offices

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Where are the sales offices?

- Capitalize proper nouns to search for specific people, places, or products.

John Colter, Netscape Navigator

- Enclose a phrase in double quotes to search for that exact phrase.

"museum of natural history" "museum of modern art"

- Narrow your searches by using a + if a search term must appear on a page.

museum +art

- Exclude pages by using a - if a search term must not appear on a page.

museum -Paris

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museum +"natural history" dinosaur -Chicago

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sales offices

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John Colter, Netscape Navigator

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"museum of natural history" "museum of modern art"

- Narrow your searches by using a + if a search term must appear on a page.

museum +art

- Exclude pages by using a - if a search term must not appear on a page.

museum -Paris

Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

museum +"natural history" dinosaur -Chicago

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